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L5: Entry 1 of 1

File: USPT

Oct 6, 1998

DOCUMENT-IDENTIFIER: US 5819005 A  
TITLE: Modular digital recording logger

**DEPR:**

With reference to FIG. 1, a digital modular recording logger is shown at 10 and includes a pair of audio circuit boards 12a, 12b which will hereinafter be referred to as audio cards. Only two audio cards 12 are shown, but a larger number of audio cards can be included in the system. For example, where thirty two recording channels are required, eight digital audio cards 12 would be required, as it will be described in the description that follows. The audio cards 12a, 12b are in communication with an audio application processing circuit board 14, which hereinafter will be referred to as the main card, through a time division multiplexed (TDM) bus 16. Once more, only one main card 14 is shown and described, but it will be appreciated that where more audio cards are required, (e.g., eight), more main cards also may be needed, (e.g., four), upon the particular architecture of the audio cards and main cards. The main card 14 communicates with a personal computer through an ISA bus 22. The computer has a CPU and RAM 23 and is in communication with a small computer system interface (SCSI) adaptor 18 through the ISA bus 22. The SCSI host adaptor 18 can be any of a number of commercially available adaptors such as an Adaptec 1542 adaptor available from Adaptec Corporation.

**DEPR:**

The audio cards 12 can be of the type shown and described in co-pending patent application Ser. No. 07/815,205 and entitled Audio Circuit Board for a Modular Digital Voice Processing system, filed Dec. 31, 1991, now Ser. No. 102,678, filed Aug. 5, 1993, the disclosure of which is hereby incorporated by reference. The system 10 can be activated in one of two ways, either through the audio card detecting a telephone 40 going off hook, or through a VOX operation controlled by the main card 14 which is activated upon the main card receiving an audio signal from one of the audio cards.

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L6: Entry 1 of 1

File: USPT

Oct 6, 1998

DOCUMENT-IDENTIFIER: US 5819005 A  
TITLE: Modular digital recording logger

## BSPR:

The modular digital recording logger of the invention provides advantages not only over prior analog loggers, but over prior digital recording loggers as well. The digital logger of this invention has a basic unit that comprises four primary components, an audio card that monitors audio sources (such as telephones), a main card that processes audio, a host computer that controls the overall operation and memory.

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